

Additional Bathymetric and Locality Data for some Opisthobranchs and an Octopus from Santa Barbara County, California

BY

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RECENTLY AN EXCELLENT annotated list of the opisthobranch mollusks from Santa Barbara County (SPHON & LANCE, 1968) summarized all the geographic and bathymetric information available on the local members of this group up to the date of publication. Since that time the junior author of this report has uncovered additional information, including new bathymetric records and the presence of 8 unlisted species in the waters off Santa Barbara County.

LIST OF SPECIES

- Acanthodoris atrogriseata* O'DONOGHUE, 1927
Intertidal at Serena Cove, Carpinteria.
First record for Santa Barbara County.
- Acanthodoris hudsoni* MACFARLAND, 1905
Trawled at 700 (?) feet at Gaviota.
Found in a sunken holdfast.
First record for Santa Barbara County.
- Acanthodoris nanaimoensis* O'DONOGHUE, 1921
Intertidal, Purisima Point.
Not previously recorded from Santa Barbara County, although collected at Shell Beach, San Luis Obispo County (ROLLER & LONG, 1969).
- Anisodoris nobilis* (MACFARLAND, 1905)
Intertidal to 840 feet off Santa Cruz Island.
- Archidoris montereyensis* COOPER, 1863
Intertidal to 840 feet off Santa Cruz Island.
- Berthellina engeli* GARDNER, 1936
25 feet, Santa Cruz Island. Previously recorded only as far north as San Diego.
- Cadlina flavomaculata* MACFARLAND, 1905
Intertidal to 723 feet off Port Hueneme (Ventura County).
- Dendrodoris* sp.
Undescribed white and brown species.
30 feet, off Naples, Santa Barbara County.
- Dendronotus iris* COOPER, 1862
15 to 702 feet, off Gaviota.
- Doto wara* MARCUS, 1961
Santa Barbara Yacht Harbor.
First record for Santa Barbara County.
- Gastropeteron pacificum* BERGH, 1894
Intertidal to 804 feet. The first recorded specimen from the County was taken from the backwash of the filtration unit of the Santa Barbara Undersea Gardens, while the remaining records are based on specimens trawled at depths of 510 to 840 feet from Rincon Point and Gaviota (BERTSCH, 1969).
- Hermaeina oliviae* MACFARLAND, 1966
Holdfast, Santa Barbara Channel. Depth unknown.
First record for Santa Barbara County.
- Petelodoris spongicola* MACFARLAND, 1966
One specimen taken in 690 feet in a sunken kelp holdfast off Gaviota. Not previously recorded from Santa Barbara County.
- Phidiana pugnax* LANCE, 1962
Intertidal to 702 feet, off Gaviota, found in a sunken kelp holdfast.
- Philine bakeri* DALL, 1919
510 to 572 feet, off Gaviota.
- Phyllaplysia taylori* DALL, 1900
15 feet, Santa Cruz Island.
Not previously recorded from Santa Barbara County.
- Pleurobranchaea californica* MACFARLAND, 1966
Subtidal to 714 feet, off Gaviota.

In October and November of 1968, 3 female *Opisthoteuthis californiana* BERRY, 1949 were trawled from off the Santa Barbara coast. The first was taken on October 24, 1968, at approximately 840 feet, off Gaviota; the second, gravid, was taken at the same depth off Santa Barbara Harbor. Both of these specimens were collected by the junior author. The third specimen was taken at a similar depth by Mr. Harold Durrah, a commercial fisherman, who kindly brought it to our attention.

BERRY (1949) originally described the species on the basis of 2 females taken off Eureka, Humboldt County, California, and then later (1955) described a male from the same area. A substantial range extension southwards to Monterey was noted by PHILLIPS (1961). On the basis of these notes, we feel that the Santa Barbara specimens represent the southernmost records for this unusual webbed octopus. However, it is suspected that as commercial fishermen continue their deep water exploration of this coast, farther southern records will be established.

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